

Title (en)  
DUAL INJECTOR FOR CHEMILUMINESCENCE IMMUNOANALYZING SYSTEM

Title (de)  
DOPPELINJEKTOR FÜR SYSTEM ZUR IMMUN-ANALYSE DURCH CHEMOLUMINISZENZ

Title (fr)  
DOUBLE INJECTEUR POUR SYSTEME D'IMMUNOANALYSE PAR CHIMIOLUMINESCENCE

Publication  
**EP 1015892 A4 20070110 (EN)**

Application  
**EP 98931641 A 19980625**

Priority  
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• US 88241497 A 19970625

Abstract (en)  
[origin: WO9859249A1] A dual injector (28) for an automated immunoassay instrument is provided which allows the sequential detection for two different chemiluminescence labels within one instrument. The injector has four carefully designed orifices (76, 78, 80, 82). The orifices are designed to work in two pairs. Orifices one (76) and two (78) can be used to inject trigger reagents A and B which can trigger a chemiluminescent reaction, such as acridinium. Orifices three (80) and four (82) can inject trigger reagents C and D for triggering a chemiluminescent reaction, such as luminol. The two pairs can be used in a sequential manner to generate signals in the wells of a cuvette. Thus, it is possible to run both acridinium and luminol based assays on one instrument. The injector is designed to fit into the wells of the cuvette and to inject the triggers in a manner which efficiently resuspends magnetic particles of one to eight microns in diameter. The design also prevents the contamination or carryover of trigger solutions from one orifice to another.

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IPC 8 full level  
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